March 13, 1956 L. M. HARRIS 2,737,663

SAFETY GLOVE

Filed June 11, 1954

Fig. 1

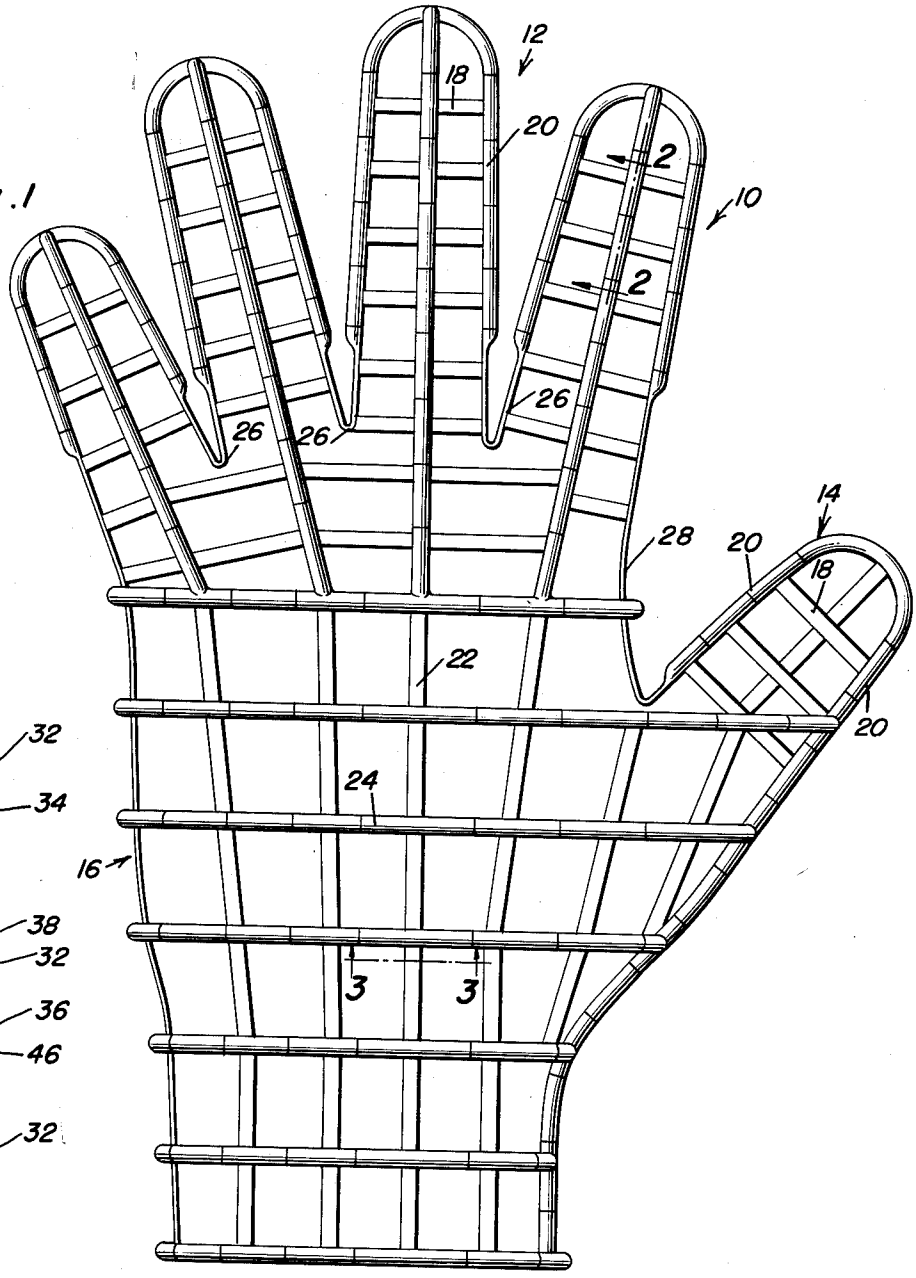


Fig. 2

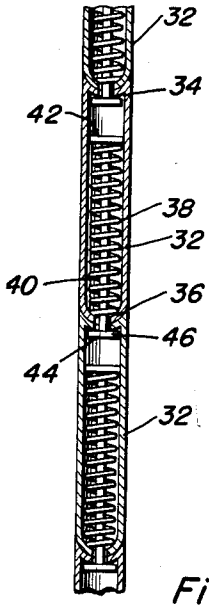
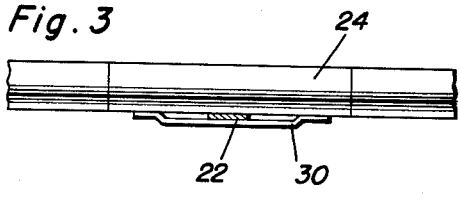


Fig. 3



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SAFETY GLOVE

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1 Claim. (Cl. 2—161)

This invention relates to a safety glove and more specifically provides a glove for use by people using sharpened instruments thereby protecting the hands of such a person from damage by such instruments.

An object of this invention is to provide a safety glove that will act as a protector for butchers and other persons utilizing sharp knives, slicing machines, cleaners and so forth that are provided with a sharpened blade that is either movable for operation or the material is moved in relation thereto for performing the cutting operation.

Another object of this invention is to provide a safety glove that will protect fingers, thumbs and hands from accidental cuts and prevent the loss of such fingers, thumbs and hands.

A still further object of this invention is to provide a safety glove that is simple in construction, may be provided in various sizes, flexible and stretchable to permit flexing of the wearer's hand, well adapted for its intended purposes and relatively inexpensive to manufacture.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view of the safety glove of the present invention;

Figure 2 is a detailed longitudinal sectional view taken substantially along section line 2—2 of Figure 1 showing the details of construction of the stretchable members utilized in the construction of the safety glove; and

Figure 3 is a detailed, transverse sectional view taken substantially along section line 3—3 of Figure 1, showing the details of construction of the interconnecting means between the longitudinal and the transverse strap members.

Referring now specifically to the drawings, it will be seen that the numeral **10** generally designates the safety glove of the present invention for positioning over the wearer's hand and including portions forming a finger receiving part **12**, a thumb receiving part **14** and a main body portion **16**. The finger and thumb receiving parts **12** and **14** are formed with a plurality of longitudinally spaced transverse circular straps **18** that are interconnected by a plurality of transversely or peripherally spaced longitudinal straps **20**. The main body portion **16** is provided with transversely spaced longitudinal straps **22** and longitudinally spaced transverse straps **24** thereby forming a complete glove **10**. The portions of the longitudinal straps **20** that are positioned at the bottom of the finger parts **12** are formed of U-shaped straps **26** and angulated strap **28** joins the bottom of the longitudinal member **20** on the thumb part **14**. The longitudinal straps **20** and the finger parts **12** and the thumb part **14** and the transverse straps **24** on the main body portion **16** are constructed of individually stretchable members as illustrated in Figure 2. Further, the stretchable straps **24** are provided with loop slides **30** that are engaged around the straps **22** to permit limited sliding movement between the lateral straps **24** and the longitudinal strap **22**.

Referring now specifically to Figure 2, it will be seen that each of the stretchable straps **20** and **22** is formed of a plurality of tubular members **32** having a concave end **34** at one end and a convex end **36** at its other end for seating engagement with adjacent tubular members **32**. Each of the tubular members **32** is provided with a compression coil spring **38** therein and a connecting pin **40** having a headed portion **42** at one end and a headed portion **44** at its other end is provided with one headed portion engaging the free end of the spring **38** and the other headed portion **44** engaging within the concave end **34** of the adjacent tubular member **32**. Suitable apertures **46** are provided in the adjacent ends of tubular members **32** for providing passage and limited pivotal movement of the members **32** in relation to each other about the connecting pin **40**.

It will be understood that other types of stretchable means may be utilized as desired. The upper ends of the finger parts **12** are secured together in crossed relation thereby forming a rigid protector for the end of the fingers and thumb. The lateral stretchable members **24** and the body **16** permit movement of the longitudinal members **22** in relation to each other thereby providing a stretchable glove for positioning over the hand of the wearer. The stetchable members **20** and the fingers **12** and thumb **14** provide a flexing movement wherein the glove may be utilized for gripping and ungripping articles to be cut. Further, any suitable covering may be used on the inside or in the inside and outside of the safety glove **10** as desired for the manufacture of the article.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

A safety glove comprising a skeleton framework forming portions for receiving the fingers, thumb and body portion of a wearer's hand, said framework formed from a plurality of longitudinal and transverse strap members, certain of said straps being resiliently longitudinally stretchable thereby permitting flexing of the wearer's hand, the longitudinal straps forming the thumb and fingers being formed of a plurality of individually stretchable members pivotally connected together, and the transverse straps forming the body portion of the glove being formed of a plurality of pivotally connected individually stretchable members, each of said individually stretchable members including a tubular member having a compression spring disposed therein, and an interconnecting link having headed ends with one end engaging the end of the compression spring and the other end positioned within the end of an adjacent tubular member.

References Cited in the file of this patent

UNITED STATES PATENTS

710,201	Lowder	Sept. 30, 1902
763,736	Doppenschmitt	June 25, 1904
849,182	Adkins	Apr. 2, 1907